(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 9 October 2003 (09.10.2003)

PCT

(10) International Publication Number WO 03/082205 A2

(51) International Patent Classification7:

A61K

- (21) International Application Number: PCT/US03/09450
- (22) International Filing Date: 26 March 2003 (26.03.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/368,425

27 March 2002 (27.03.2002) US

(71) Applicant (for all designated States except US):
SMITHKLINE BEECHAM CORPORATION
[US/US]; One Franklin Plaza, Philadelphia, PA 19103
(US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): THOMPSON, Scott, K. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). FRAZEE, James, S. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). KALLANDER, Lara, S. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). MA, Chun [CN/US]; 1150 River Road, Apartment 3G, Edgewater, NJ 07020 (US). MARINO, Joseph, P. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). NEEB, Michael, J. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). BHAT, Ajita [IN/US]; 10211 Arrow Creek Drive, Apt. #102, Raleigh, NC 27617 (US). MCATEE, John, Jeffrey [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). STAVENGER, Robert, A. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US).

(74) Agents: SIEBURTH, Kathryn, L. et al.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW 2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia. PA 19406-0939 (US).

(81) Designated States (national): AE, AG, AL, AU, BA, BB, BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG, TN, TT, UA, US, UZ, VN, YU, ZA.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

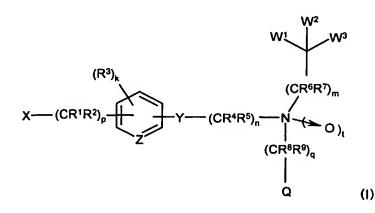
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designation US
- of inventorship (Rule 4.17(iv)) for US only

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOUNDS AND METHODS



(57) Abstract: Disclosed is a compound having the formula (1) pharmaceutically acceptable salts or solvates thereof and pharmaceutical compositions containing the same, wherein the structural variables are as defined herein. The compounds, salts and solvates of this invention are useful as LXR agonists.

WO 03/082205 A2